

Fig. 1A

200 233 254

Ace1
Agam1
Sgra
Ace2
Agam2
Aste
Aaeg2
Dme1
Lcup
Mdom
Cpip2

--TPEAPGAGLFDQNLALRWPRDNIHFGGDPSPRVITLFGESAGAVSVLSHLISALSPDLQRAILQSGSPITAPWALVSREATLRALRLAEAVGQPHPEP
--TEDVPCWAGLFDQNLALRWPRDNIHFGGDPSPRVITLFGESAGAVSVLSHLISALSPDLQRAILQSGSPITAPWALVSREATLRALRLAEAVGQPHPEP
--YEDAPGAGLFDQNLALRWPRDNIHFGGDPSPRVITLFGESAGAVSVLSHLISALSPDLQRAILQSGSPITAPWALVSREATLRALRLAEAVGQPHPEP
--YEDAPGAGLFDQNLALRWPRDNIHFGGDPSPRVITLFGESAGAVSVLSHLISALSPDLQRAILQSGSPITAPWALVSREATLRALRLAEAVGQPHPEP
--DDDAPGAGLFDQNLALRWPRDNIHFGGDPSPRVITLFGESAGAVSVLSHLISALSPDLQRAILQSGSPITAPWALVSREATLRALRLAEAVGQPHPEP
EFAEAPGAGLFDQNLALRWPRDNIHFGGDPSPRVITLFGESAGAVSVLSHLISALSPDLQRAILQSGSPITAPWALVSREATLRALRLAEAVGQPHPEP
-FEEAPGAGLFDQNLALRWPRDNIHFGGDPSPRVITLFGESAGAVSVLSHLISALSPDLQRAILQSGSPITAPWALVSREATLRALRLAEAVGQPHPEP
-FEEAPGAGLFDQNLALRWPRDNIHFGGDPSPRVITLFGESAGAVSVLSHLISALSPDLQRAILQSGSPITAPWALVSREATLRALRLAEAVGQPHPEP
REEAPGAGLFDQNLALRWPRDNIHFGGDPSPRVITLFGESAGAVSVLSHLISALSPDLQRAILQSGSPITAPWALVSREATLRALRLAEAVGQPHPEP

265 279 288 290

Ace1
Agam1
Sgra
Ace2
Agam2
Aste
Aaeg2
Dme1
Lcup
Mdom
Cpip2

--SKLSDAVEGLRCKDPHVLVNNENCTL-GICEFPFVWVGAFDETQPSRLASGRFKKTEITL TGSNTEEGYFFLIIMYLTELLRKEEGVTVIRFEFLOA
--NTIHKTVEDLRKANSSVMVEKEDHV-AICFFPFVWVGAFDDHPOKSLSTNNFKKTNILMGSNSEEGYFFLIIMYLTELLRKEEGVTVIRFEFLOA

327 330 331 334

Ace1
Agam1
Sgra
Ace2
Agam2
Aste
Aaeg2
Dme1
Lcup
Mdom
Cpip2

EXESPSTVMDQRMADAKTISVQGMSSVSSILGFPSPAPITDGMFMTADPMMLREANLEGIDILVGSNPEEGYFFLIIMYLTELLRKEEGVTVIRFEFLOA
EXESPSTVMDQRMADAKTISVQGMSSVSSILGFPSPAPITDGMFMTADPMMLREANLEGIDILVGSNPEEGYFFLIIMYLTELLRKEEGVTVIRFEFLOA
EXDNPVMDQRMADAKTISVQGMSSVSSILGFPSPAPITDGMFMTADPMMLREANLEGIDILVGSNPEEGYFFLIIMYLTELLRKEEGVTVIRFEFLOA
XKTPALVMDQRMADAKTISVQGMSSVSSILGFPSPAPITDGMFMTADPMMLREANLEGIDILVGSNPEEGYFFLIIMYLTELLRKEEGVTVIRFEFLOA
LPANPQSVMDQRMADAKTISVQGMSSVSSILGFPSPAPITDGMFMTADPMMLREANLEGIDILVGSNPEEGYFFLIIMYLTELLRKEEGVTVIRFEFLOA
LPENPQSVMDQRMADAKTISVQGMSSVSSILGFPSPAPITDGMFMTADPMMLREANLEGIDILVGSNPEEGYFFLIIMYLTELLRKEEGVTVIRFEFLOA
L-KSPGSSVMDQRMADAKTISVQGMSSVSSILGFPSPAPITDGMFMTADPMMLREANLEGIDILVGSNPEEGYFFLIIMYLTELLRKEEGVTVIRFEFLOA

Fig. 1B

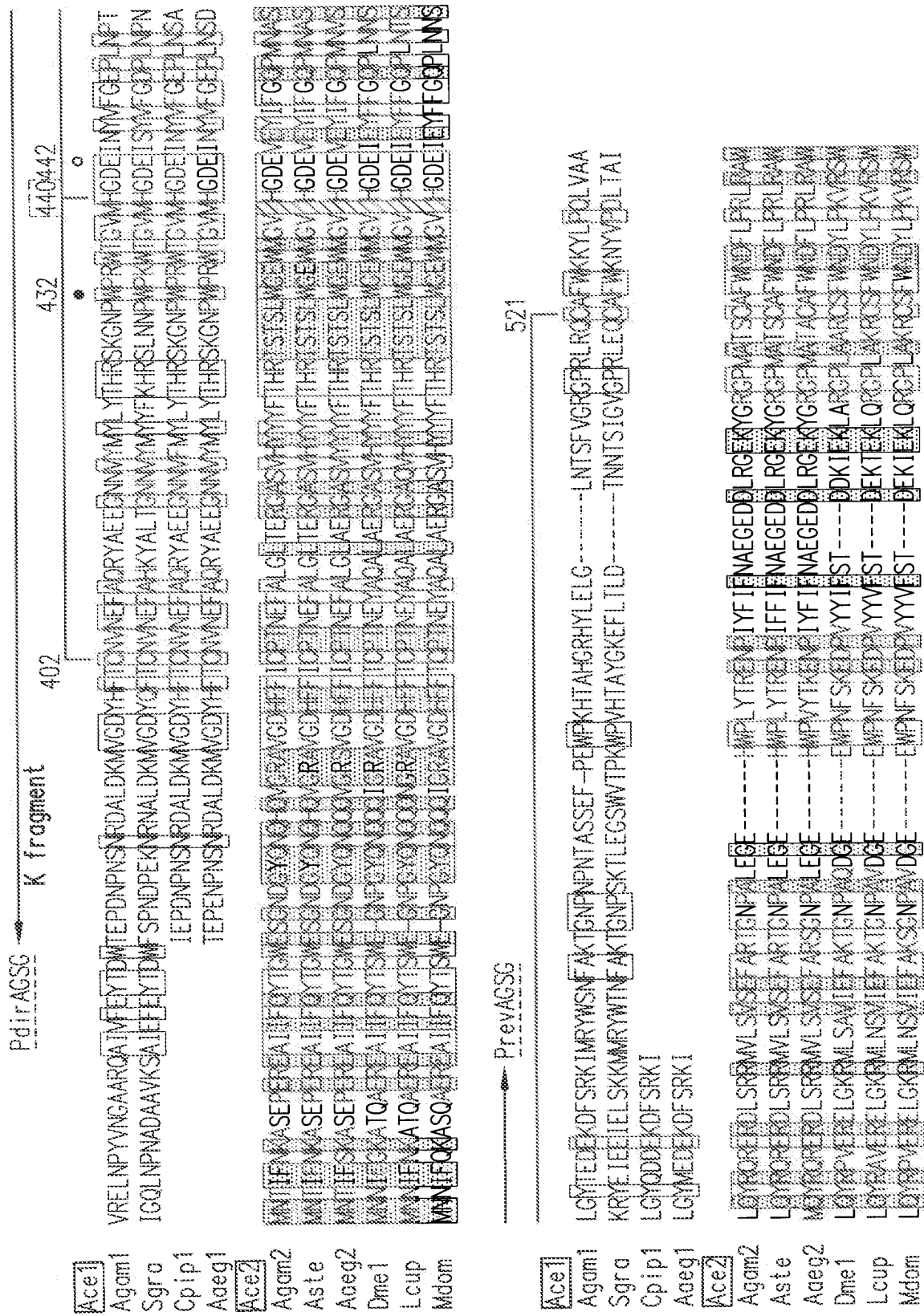


Fig. 1C

80

Ae alb	TEPDNPN	DALDKM	GDY	HFTCNV	NEFA	QRYAEE	GNV	YMPLY	THRSK	GNPW	PRWT	GV	MHCDE	IN	YVF	GEPL	NS	LG
Ae aeg	TEPDNPN	DALDKM	GDY	HFTCNV	NEFA	QRYAEE	GNV	YMPLY	THRSK	GNPW	PRWT	GV	MHCDE	IN	YVF	GEPL	NS	LG
An alb	TEPDNPN	DALDKM	GDY	HFTCNV	NEFA	QRYAEE	GNV	YMPLY	THRSK	GNPW	PRWT	GV	MHCDE	IN	YVF	GEPL	NS	LG
An gam	TEPDNPN	DALDKM	GDY	HFTCNV	NEFA	QRYAEE	GNV	YMPLY	THRSK	GNPW	PRWT	GV	MHCDE	IN	YVF	GEPL	NS	LG
An fun	TEPDNPN	DALDKM	GDY	HFTCNV	NEFA	QRYAEE	GNV	YMPLY	THRSK	GNPW	PRWT	GV	MHCDE	IN	YVF	GEPL	NS	LG
An nil	TEPDNPN	DALDKM	GDY	HFTCNV	NEFA	QRYAEE	GNV	YMPLY	THRSK	GNPW	PRWT	GV	MHCDE	IN	YVF	GEPL	NS	LG
An sac	TEPDNPN	DALDKM	GDY	HFTCNV	NEFA	QRYAEE	GNV	YMPLY	THRSK	GNPW	PRWT	GV	MHCDE	IN	YVF	GEPL	NS	LG
An pse	TEPDNPN	DALDKM	GDY	HFTCNV	NEFA	QRYAEE	GNV	YMPLY	THRSK	GNPW	PRWT	GV	MHCDE	IN	YVF	GEPL	NS	LG
Cx Pip	TEPDNPN	DALDKM	GDY	HFTCNV	NEFA	QRYAEE	GNV	FMPLY	THRSK	GNPW	PRWT	GV	MHCDE	IN	YVF	GEPL	NS	LG

91

Ae alb	TEDEKDF	SRK	I
Ae aeg	TEDEKDF	SRK	I
An alb	TEDEKDF	SRK	I
An gam	TEDEKDF	SRK	I
An fun	TEDEKDF	SRK	I
An nil	TEDEKDF	SRK	I
An sac	TEDEKDF	SRK	I
An pse	TEDEKDF	SRK	I
Cx Pip	TEDEKDF	SRK	I

Fig. 2A

	•	20	•	40	•	60	•	80
Ace1-SLAB	AT	GAACCGGACAACCGGACAGCAACCGTGACCGCGCTGGACAAGATGGTGGGGGATTATCATTACCTTCCAACGTGAA						
Ace1-SR	AT	GAACCGGACAACCGGACAGCAACCGTGACCGCGCTGGACAAGATGGTGGGGGATTATCATTACCTTCCAACGTGAA						
	EcoRI	•	100	•	120	•	140	•
Ace1-SLAB	CGA	TTCCGCCAGCGGTACGCGGAGGAGGCGCAACAACGTGTTCAATGTAACCTGTACACGCCACAGCAAGCAAGGAAATCCCT						
Ace1-SR	CGA	TTCCGCCAGCGGTACGCGGAGGAGGCGCAACAACGTGTTCAATGTAACCTGTACACGCCACAGCAAGCAAGGAAATCCCT						
	•	180	•	200	•	220	•	240
Ace1-SLAB	GGCCGAGGTGGAC	GGGGTGATGCACGGCGGACGAGATCAACTACGTGTTTCCGGAACCGCTGAACTCGGCCCTGGGCTAC						
Ace1-SR	GGCCGAGGTGGAC	GGGGTGATGCACGGCGGACGAGATCAACTACGTGTTTCCGGAACCGCTGAACTCGGCCCTGGGCTAC						
	•	260	•					
Ace1-SLAB	CAGGACGACGAGAGGACTTTAGCCGGGAAAATT							
Ace1-SR	CAGGACGACGAGAGGACTTTAGCCGGGAAAATT							

Fig. 2B

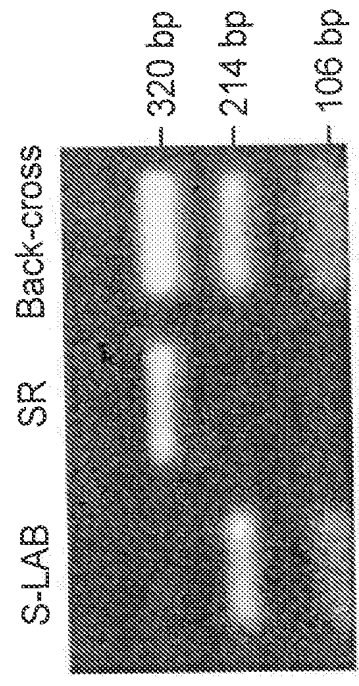


Fig. 2C

80

1 SR MEIRGLITRL LGPCHLRHLI LCSLGLYSIL VQSVHCRHHD IGSSVAHQLG SKYSQSSSL SSSQSSSLA EEATLNKQSD
 S-LAB MEIRGLITRL LGPCHLRHLI LCSLGLYSIL VQSVHCRHHD IGSSVAHQLG SKYSQSSSL SSSQSSSLA EEATLNKQSD

160

81 SR AFFTPYIGHG DSVRIVDAEL GTLEREHIHS ITTTRRRGLR RESSSDATDS DPLVITTDKG KIRGTTLEAP SGKKYDAWMG
 S-LAB AFFTPYIGHG DSVRIVDAEL GTLEREHIHS ITTTRRRGLR RESSSDATDS DPLVITTDKG KIRGTTLEAP SGKKYDAWMG

240

161 SR IPYAQPPLGP LRFRRHPPAE RWTGVLNATK PPNSCVQIVD TVFGDFPGAT MNNPNTPLSE DCLYINWVVP RPRPKNAAVM
 S-LAB IPYAQPPLGP LRFRRHPPAE RWTGVLNATK PPNSCVQIVD TVFGDFPGAT MNNPNTPLSE DCLYINWVVP RPRPKNAAVM

320

241 SR LWIFGCGFYYS GTATLDVYDH RTLASEENVI VWSLQYRVAS LGFLFLGTPE APGNAGLFDQ NLALRWVRDN IHRFGGDPSPR
 S-LAB LWIFGCGFYYS GTATLDVYDH RTLASEENVI VWSLQYRVAS LGFLFLGTPE APGNAGLFDQ NLALRWVRDN IHRFGGDPSPR

400

321 SR VTLFGESAGA VSVSLHLLSA LSRDLFQRAI LQSGSPTAPW ALVSREAEATL RALRLAEAVN CPHDATKLSQ AVECLRTKDP
 S-LAB VTLFGESAGA VSVSLHLLSA LSRDLFQRAI LQSGSPTAPW ALVSREAEATL RALRLAEAVN CPHDATKLSQ AVECLRTKDP

480

401 SR NELVDNEWGT LGICEFFFPV WDGAFDLET PQSLASGRF KKTIDILIGSN TEEGYFYIY YLTLLRKEE GVTVTREEFL
 S-LAB NELVDNEWGT LGICEFFFPV WDGAFDLET PQSLASGRF KKTIDILIGSN TEEGYFYIY YLTLLRKEE GVTVTREEFL

560

481 SR QAVRELNPYV NGAARQAIVF EYTDWIEPDN PNSNRDALK MWDYHFTCN VNEFAQRYAE EGNVFMVLY THRSKGNPWP
 S-LAB QAVRELNPYV NGAARQAIVF EYTDWIEPDN PNSNRDALK MWDYHFTCN VNEFAQRYAE EGNVFMVLY THRSKGNPWP

620

561 SR RWTGVMHGDE INYVGEPLN SALGYQDDEK DFSRKIMRYW SNFAKTGNPN PSTPSVDLPE WPKHTAHGRH YLELGLNTTF
 S-LAB RWTGVMHGDE INYVGEPLN SALGYQDDEK DFSRKIMRYW SNFAKTGNPN PSTPSVDLPE WPKHTAHGRH YLELGLNTTF

702

621 SR VGRGPRLRQC AFWKKYLPQL VAATSNLQVT PAPSVPCESS STSYRSTLLL IVTLLLVTRF KI
 S-LAB VGRGPRLRQC AFWKKYLPQL VAATSNLQVT PAPSVPCESS STSYRSTLLL IVTLLLVTRF KI

Fig. 5

1
M E I R G L I T R L L G P C H L R H L I L C S L G L Y S I L V Q S V H C R H H D I G
ATCGAGATCCGAGGCCCTAATAACCGGATTACTGGGTCCATGTCACGTGGGACATCGATACGTGGCAGTTTGGGGCTGTACTCCATCCCTGCTGCAGTGGGTCCATTGCCGGCATCATGACATCGG

126
S S V A H Q L G S K Y S Q S S S L S S S Q S S S S L A E E A T L N K D S D A F F T
TAGTTCGGCCACACCGCTAGGATCGAATACACACAATACCTCGTTATCGTCATCCTCGCAATCGTCAATCGTGGT TAGCTGACAGCCGACCGCTCAATAAGATTTCAGATCCATTTT

251
P Y I G H G D S V R I V D A E L G T L E R E H I H S I T I T R R R G L T R R E S S S
S-Lab CACCATATATAGGTCACGGAGATTCTGTCGAATTGATGCCGAATTAGGTACATTAGAGCGGAGACACATCCATAGCAGCTACCGCGGGCTGGCCTACCGCGGAGGAGTCCAGCTCC
SR

376
D A T D S D P L V I T T D K G K I R G T T L E A P S G K K V D A W M G I P Y A Q P P
S-Lab GATGCCACCGACTCGTCTAAGCAGCGACAGGCCAAATCCGTGCACCGACACATCGGAACCGCTAGTGGAAAGAGGTGGACCGATGGATGGCCATTCCGTACGGCAGCCGCCG
SR -----A-----A-----A-----

501
L C P L R F R H P R P A E R W T C V L N A T K P P N S C V Q I V D T V F G D F P G A
S-Lab GCTGGTCCGGTCCGTTTCGACATCCGCGACCGCGGAAAGATCCACCGGIGTCTGAACGCGACCAAGCCCGCAACTCGTGGTCCAGATCGTCGACACCGTGTTCGGTGACTTCCGCGGGC
SR -----A-----C-----
625

[illegible]

Fig. 6A

S-Lab SR	875	G T A T L D V Y D H R T L A S E E N V I V S L Q Y R V A S L G F L F L G T P E A P CGGAC TGGCAGCGCTGACGACCATGGACGCTGGCTGGAGGAGAGCTGATCGTAGTTTGGCTCCAGTACCGTCTCCCAAGCTTTCTTCC TCGGCACACCGGAGGCAAC
		-----T-----G-----T-----
S-Lab SR	876	G N A G L F D Q N L A L R W V R D N I H R F G G D P S R V T L F G E S A G A V S V S CGGTAAO GGGGGCTTTCATCAGAACCTTGGACCTGAGATGGTTCGGCCACACATCCACCGTTGGGGGTGACCCCTGGGGGTACACATCTGGCCGACAGCCCGGAGCGGCTCGGTTT
		-----T-----
S-Lab SR	1001	L H L L S A L S R D L F Q R A I L Q S G S P T A P W A L V S R E E A T L R A L R L CGCTGACCTTCTCTGGCGGCTCTGGCGGACCTTTCAGAGGGCCCATCTCTCCAGATGGTTCGGAGGCGCGCTTCCCGGCAAGAGCTACGCTTACAGGCTCTCTGCTG
		-----A-----
S-Lab SR	1125	A E A V N C P H D A T K L S D A V E C L R T K D P N E L V D N E W G T L G I C E F P GCGAGCGCTCACTCTCGGACCATGGCCACCAAGCTGACGATGCGGCTCGAATGCTTGGCAACCAAGGATCGGAACGAGCTGGTGGACAACGAGTGGGCAAGCTGGGGATCTCGGAGTTTCG
		-----T-----
S-Lab SR	1251	F V P V V D G A F L D E T P Q R S L A S G R F K K T D I L T G S N T E E G Y Y F I I GTTTCTCGGTTTGGACGAGCGTTCTCTGATGACACACCGCAGCGTTTCTTGGCCAGCGCGCTTTCAGAAAACGACATCTTACCCGCGACACACGAGGAGGTTACTACTTTATCA
		-----T-----
S-Lab SR	1375	Y Y L T E L L R K E E G V T V T R E E F L Q A V R E L N P Y V N G A A R Q A I V F TTTACTATCAACGAGCTGCTACGAAAGAGGAGGGTCAAGGTAAACAGGAGGAGTTCTACAGCGGCTCGCGCAGTTTGAATCCGTAGCTGAACCGTGGCGCGCGGAGGCGCATGCTGTTCT
		-----T-----

Fig. 6B

1501
E Y T D W I E P D N P N S N R D A L D K M V G D Y H F T C N V N E F A Q R Y A E E G
S-Lab GAGTACCGGACTGGATTGAACCGGACACCGGCTGACCGGCTGGACAAGATGGTGGGGGATTATCACTTCACTGCAACGCTGAACGAATTGCGCCAGCGGTACGCGGAGGAGGG
SR -----C-----C-----G

1626
N N V F M Y L Y T H R S K G N P W P R W T G V M H G D E I N Y V F G E P L N S A L G
S-Lab CAACAACGTTTCATGTACCTACCCACACAGCAAGCAAGAAATCCCTGGCGGAGGTGGACCGGCTGATGCAACCGGACGAGATCAACTACGTGTTTGGCGAACCCTGAACCTGGCCCTCG
SR -----T-----T-----

1751
Y Q D D E K D F S R K I M R Y W S W F A K T G N P N P S T P S V D L P E W P K H I
S-Lab GCTACGACGACGACGACGACTTAGCGGAAATTAAGCGAAATTAAGCGATACCTGCTCCCACTTGGCAACACTGGCAATGCCAACCAGCTAGCGGAGGTGGACCTGCCGCAATGGCCCAACACACACC
SR -----

1876
A H G R H Y L E L G L N T T F V G R G P R L R Q C A F W K K Y L P Q L V A A T S N L
S-Lab GCGACGACGACACTATCTGAGCTGGGACTGACACGACCTTCTGCGACCGGCGCCACGATTGGCCAGTCCCTTTCGGAGAAATATTGGCCGCAACTAGTACGACCTACCTCTAAGCT
SR -----

2001
Q V T P A P S V P C E S S T S Y R S T L L L I V T L L L V T R F K I *
S-Lab CCAAGTAACTCCCGGCTAGGTACCTTGGGAAGCAGCTCAACATCTTATGATCCACTCTACTTCTAATAGTCACACTACTTTTACTAAGCGGTTCAAGATTAA
SR -----

Fig. 6C

1 80
 KISUMU GAATGCCCATTTGTTGCCATAGATTGAATTTCTTGGTTGTTGTTGTTGTTGTTTCTTTTGACATGTTTGTGTTGTT
 YAO -----

160
 A F F T P Y I G H G E S
 KISUMU TTTTCTTTCTCTCTCTCTCTCT--CTGTGGTTCCAACATTTTACACCGCATTTTACACCATATATAGGTCACCGTGAGT
 YAO -----TT-----

240
 M R I I D A E L G T L E H V H S G A T P R R R G L T
 KISUMU CCGTACGAATTATAGATGCCGAGTTGGGCACGCTCGAGCATGTCCACAGTGGAGCAACGCCGCCGCCGACGCGTCTGAAG
 YAO -----A-----

320
 R R E S N S D
 KISUMU AGCGCGAGTCCAACTCGGTAAGTACGCGATTGGAAGTGGCGGGACGTTTACCCTGCCGTGTACTACAATGCACTTTAC
 YAO -----A-----A-----C-----

400
 A N D N D P L V V N T D K G R I R G I
 KISUMU CCCCACGCACACGCACCGGCAGACCGGAACGACAACGATCCGCTGGTGGTCAACACGGATAACGGCGGCATCCGCGGCAT
 YAO -----

480
 T V D A P S G K K V D V W L G I P Y A Q P P V G P L R
 KISUMU TACCGTCGATGCCCGCAGCGCAAGAAGGTGGACGTGTGGCTCGGCATTCCCTACGCCCGAGCGCGGTCGGCGCGTTAC
 YAO -----C-----C-----

560
 F R H P R P A E K W T G V L N T T T P P N S C V Q I
 KISUMU GGTTCGTCATCGCGCGCGCGCGAAAAGTGGACCGCGTGTGAACACGACCACACCGCCCAACAGCTGGTGCAGATC
 YAO -----

Amorce Ex3AGdir

640
 V D T V F G D F P G A T M W N P N T P L S E D C L Y I
 KISUMU GTGGACACCGTGTTCGGGACTTCCCGGCGCGACCATGTGGAACCCGAACACGCCCCGTGTCGAGGACTGTCTGTACAT
 YAO -----

Amorce Ex3AGdir

Fig. 9A

720
N V V A P R P R P K N A A V M L W I F G G G F Y S G T
KISUMU TAACGTGGTGGCACCGCGACCCCGGCCAAGAATCGCGCCGTCATGCTGTGGATCTTCGGCGCGCGCTTCTACTCCGGCA
YAO -----G-----

800
A T L D V Y D H R A L A S E E N V I V V S L Q Y R V
KISUMU CCGCCACCTGGACGTGTACGACCACCGCGCGCTTGGCTCGGAGGAGAACGTGATCGTGGTGTCCGTCCAGTACCGCGTG
YAO -----

880
A S L G F L F L G T P E A P G N A G L F D Q N L A L R
KISUMU CCCAGTCTGGGCTTCCTGTTTCTCGGCACCCCGGAAGCGCCGGCAATGCCGACTGTTGATCAGAACCTTGGCGTACG
YAO -----

960
G T A G G T G T C T T T G C A T G C G T C A A T G A G G G T A T A G T A T T C T A A C G A G G T G C T C T T C C C A T C A C T T C T T G G G A G T C A G C
KISUMU GTAGGTGTCTTTGCATGGTCAATGAGGGTATAGTATTCTAACCAGGTGCTCTTCTTCCCATCACTTCTTGGGAGTCAAGC
YAO -----G--T---TC--TA-T-----

1040
W V R D N I H R F G G D P S R V T L F G E S A G A V S
KISUMU TGGGTGGCGGACAACATTACCGGTTCCGGTGGTATCGGTCCGGTGTGACACTGTTCCGGGAGAGTCCCGGTGCCGTCTC
YAO -----

1120
V S L H L L S A L S R D L F Q R A I L Q S G S P T A P
KISUMU GGTGTGGTGCATCTGCTGTCCGCCGTGTCGCCGATCTGTTCCAGCGGGCATCTCCAGAGCGGCTCCCGAAGCCAC
YAO -----T-----

Amorce Ex3AGrev

1200
W A L V S R E E A T L R
KISUMU CGTGGGCATTGGTATCGCGGAGGAAGCCACGCTAAGGTACGTGCCAGCTGCTGCTTTCCCCAAACCACCAACCCCGGAC
YAO -----A-----

1280
A L R L A E A V G C P H
KISUMU AGCTCACACAACCTCTTTTCCTTGGCTCTTTTCTCGCTCCAGAGCACTGCGGTTGGCCGAGCGGTCGGCTGCCCGCAC
YAO -----G-----

1360
E P S K L S D A V E C L R G K D P H V L V N N E W G T
KISUMU GAACCGAGCAAGCTGAGCGATGGGTCCAGTGTCTGCGCGCAAGGATCCGCACGTCTGGTCAACAACGAGTGGGGCAC
YAO -----

Fig. 9B

1440
 L G I C E F P F V P V V D G A F L D E T P Q R S L A S
 KISUMU GCTCGGCATTTCGAGTTCCCGTTGTCGCGGTGGTGCACGGTGGTTCCTGGAACGACACGCCGAGCGTTCCCTCGCCA
 YAO -----

1520
 G R F K K T E I L T G S N T E E G Y Y F I I Y Y L T
 KISUMU CGCGGCGCTTCAAGAAGACGGAGATCCTCACCGGCAGCAACACGGAGGAGGCTACTACTTCATCATCTACTACCTGACC
 YAO -----

1600
 E L L R K E E G V T V T R E E F L Q A V R E L N P Y V
 KISUMU GAGCTGCTGCGCAAGGAGGAGGCGGTGACCGTGACCGCGGAGGAGTTCTGCGAGGCGGTGCGGAGCTCAACCCGTAAGT
 YAO -----

1680
 N G A A R Q A I V F E Y T D W T E P D N P N S N R D A
 KISUMU GAACGGGCGCGCCCGCAGGCGATCGTGTTGAGTACACCGACTGACCGAGCGCGGACAAACCGAACAGCAACCGGAGC
 YAO -----

1760
 L D K M V G D Y H F T C N V N E F A Q R Y A E E G N
 KISUMU CGCTGGACAAGATGGTGGGCGACTATCACTTCACCTGCAACGTGAACGAGTTGCGCGAGCGGTACGCGGAGGAGCGCAAC
 YAO -----

1840
 N V Y M Y L Y T H R S K G N P W P R W T G V M H G D E
 KISUMU AAGTCTACATGTATCTGTACACGCACCGCAGCAAAAGSCAAACCGGTGCGCGCGCTGGACGCGCGTGATGCAACGCGCAGCA
 YAO -----

1920
 I N Y V F G E P L N P T L G Y T E D E K D F S R K I M
 KISUMU GATCAACTACGTGTTCCGGGAACCGCTCAACCCACCCCTCGGCTACACCGAGGACGAGAAACACTTTAGCCGGAAGATCA
 YAO -----

2000
 R Y W S N F A K T G
 KISUMU TGGGATACTGGTCTAACTTTGCCAAAACCGGTAAGTGTGTGTGTGTGTGTGTGTCAAACACCAGAGTGTGATCGCTCT
 YAO -----A---C-A--A-----

2080
 N P N P N T A S S E F P E W P K H T
 KISUMU AACGCC-----TTCTCTCTTCAACAGCAATCCAAATCCCAACACGGCCAGCAGCGAATTCGCCGAGTGGCCCAAGCACA
 YAO ---A--AGCGTC-----T-----A-----

Fig. 9C

2160

A H G R H Y L E L G L N T S F V G R G P R L R Q C A

KISUMU CCGCCCAAGGACGGCACTATCTGGAGCTGGGCCTCAACAAGTCCTTCGTCCGTCCGGGCCCAAGGTTGAGGCAGTGTCG

YAO -----

2240

F W K K Y L P Q L V A A T S

KISUMU TTCTGGAAGAAGTACCTTCCCCAGCTAGTTCCAGCTAAGTCTCTGT-GCAGCGCTTGAAATCCTCTCCCGCATCC

YAO -----A--T--T--A-GA---C--C---T---G---

2320

N L P G

KISUMU TCAACAGGGTCCAGGTTGCAATAACAAATGTATCTCTCTCTCTCAGCTCTCTTTTCCCCAAAACAGCGAACCTACCAG

YAO C--T-----A-A-----A-----

2400

P A P P S E P C E S S A F F Y R P D L I V L L V S L

KISUMU GGCCAGCACCGCCCACTGAACCGTCCGAAAGCAGCGCATTTTTTTACCGACCTGATCTGATCGTCTGCTGGTGTGCTG

YAO -----

2480

L T A T V R F I Q *

KISUMU CTTACGGCGACCGTCAGATTACATAATAATTACTACCCCATCCATGGCCTAGTTCTTTTAAGCTTTAAGATAGTCAGGA

YAO -----G-----

KISUMU ACAAATTTTTCTAACCAATTTCCCAACCCCTTTAGAGCAGAACCGAGGGAGACATAGGACT

YAO -----

Fig. 9D

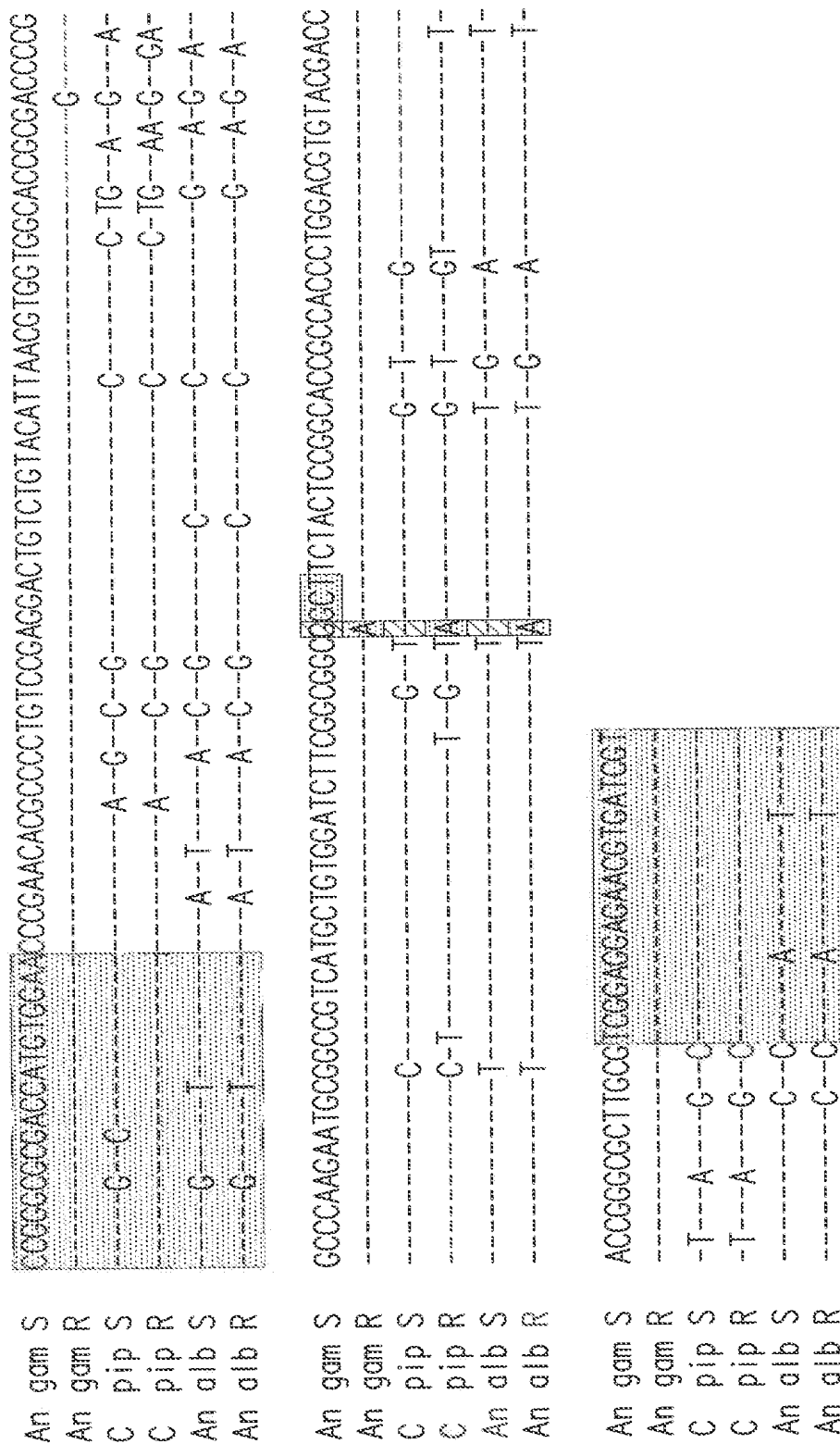


Fig. 13

>An. albi. "S"
CCGGGGCGGACTATGTGGAAACCCAAATACGCCACACTCTCGGAGGACTGCCCTGTACATCAACGTGGTGGCGCGGAGCCACGGCCCCAAGAAATGCTGCCGTCAATGCTGTGGATCTTCGG
CCGTGGCTTCTACTCCGGTACGGCCACACTGGAGGTACGATCACCGGGGGCTGGCCCTGGGAAGAGAAGCTTATCGT

>An. albi. "R"
CCGGGGCGGACTATGTGGAAACCCAAATACGCCACACTCTCGGAGGACTGCCCTGTACATCAACGTGGTGGCGCGGAGCCACGGCCCCAAGAAATGCTGCCGTCAATGCTGTGGATCTTCGG
CCGTAGCTTCTACTCCGGTACGGCCACACTGGAGGTACGATCACCGGGGGCTGGCCCTGGGAAGAGAAGCTTATCGT

Fig. 14